

ATTACHMENT ONE

Proposal

The Maricopa Association of Governments (MAG) Building Codes Committee recognizes that there are multiple approaches to meeting the energy efficiency requirements of Chapter 11 of the International Residential Code (IRC). Compliance can be demonstrated by one of the following methods:

- For detached one- and two-family dwellings (Type A-1) with glazing area that does not exceed 15% of the gross area of exterior walls, compliance may be demonstrated by meeting one of the following requirements:
 - Chapter 11 of the IRC; or
 - Chapter 6 of the International Energy Conservation Code (IECC); or
- For detached one- and two-family dwellings (Type A-1) with glazing area that exceeds 15% of the gross area of exterior walls, compliance may be demonstrated by meeting one of the following the requirements:
 - Chapter 4, System Analysis and Design of Buildings Utilizing Renewable Energy Sources, of the International Energy Conservation Code (IECC); or
 - Chapter 5, Component Performance Approach, of the International Energy Conservation Code (IECC); or
- For any detached one- and two-family dwelling, compliance may be demonstrated by complying with one of the Packages entitled “Zone 3 Single-Family Prescriptive Packages – 1998/2000 IECC” (these packages are available for download at <http://www.energycodes.gov/meccheck/index.stm>); or
- For any detached one- and two-family dwelling, compliance may be demonstrated by participation in the Energy Star, Engineered for Life, Environments for Living and other such nationally recognized third party energy programs.

ATTACHMENT TWO

CODE WORKSHEET

CITY/ TOWN	Building	Mechanical	Plumbing	Electric	Residential	Fire
Avondale	2000 IBC	2000 IMC		1999 NEC	2000 IRC	
Buckeye						
Carefree						
Cave Creek			1994 UPC Not State			
El Mirage	1997 UBC	1997 UMC	1994 UPC	1996 NEC		1997 UFC
Fountain Hills						
Gila Bend						
Gila River						
Gilbert						
Glendale						
Goodyear	2000 IBC	2000 IMC	1994 UPC (State)	1999 NEC	2000 IRC	
Guadalupe						
Litchfield Park						
Mesa						
Paradise Valley	1997UBC	1997 UMC.	1994 UPC	1996 NEC		1997 UFC
Peoria						
Phoenix						
Queen Creek	2000 IBC	2000 IMC	1994 UPC	1999 NEC	2000 IRC	2000 IFC
Salt River						

Scottsdale	1997 UBC	1997 UMC	1994 UPC Not State Code	1996 NEC		1997 UFC
Surprise	2000 IBC	2000 IMC	1994 UPC	1999 NEC	2000 IRC	2000 IFC
Tempe						
Tolleson						
Wickenburg						
Youngtown						
Maricopa County						

Source: League of Arizona Cities and Towns, 2002

ATTACHMENT THREE

MAG BUILDING CODES COMMITTEE

Proposed Standard Permit Submittal Requirements Residential Solar Photovoltaic (PV) Systems

3/12/02

The City of Scottsdale has been working with the Arizona solar industry to help simplify the process for plan review and inspections of solar photovoltaic (PV) systems on both public and private buildings. We are beginning to see an increase in the number of single family dwelling applications. With an expected buy-down program from local utilities and renewed federal incentives in the near future, we would anticipate a significant increase in PV permit applications across the valley.

In an effort to promote uniformity through MAG jurisdictions under the purview of life safety (NEC Article 690), the following submittal requirements are proposed as a MAG standard for securing necessary electrical/building permits for residential (single-family) PV systems:

1. Location of installation indicated on plans (roof plan and elevation).
2. Mounting details for panel installation.
3. Electrical one-line and three-line (showing phases, neutral and ground) diagram.
4. Cut sheet and listing for inverter (DC to AC conversion).
5. Acknowledgement letter from utility company for grid-tie PV systems.
 - grid-tie encompasses not only paralleled inverters but also inverters that constitute a potential back feed source, (i.e. - those that are connected to the utility and are programmed in the "non-utility interactive mode" but have the capability of being re-programmed to back feed in the "utility interactive mode")
6. Note on plans that PV equipment shall be installed in accordance with NEC 690 and posted with applicable warnings, signage & plaques per NEC 705-10, 690-17 & 690-64(b)(5).

ATTACHMENT FOUR

Arizona Fire Marshals Association Opposes HB 2628

The Arizona Fire Marshals Association is an organization that has a membership of fire marshals, fire prevention officers, building code officials, industry representatives, and fire code consultants. For the last twenty years our members have been involved with the code review and development process. We support both the National Fire Protection Association (NFPA) and the International Code Council (ICC).

Our main concern regarding HB 2628 is that local jurisdictions would not have the ability to adopt the codes that best meet their needs. Most importantly, a state fire code would eliminate all local amendments to the code, such as additional automatic fire sprinkler requirements. If HB 2628 passes, we would lose the ability to provide a fire code offering the highest level of fire and life safety that best meets the needs of our communities. We would lose a significant portion of our authority to adopt codes and standards that protect our communities.

Additionally, under the provisions of HB 2628 the state would pre-empt local jurisdictions from adopting the International Codes, and instead require the adoption of nationally recognized codes developed through a voluntary consensus process accredited by the American National Standards Institute (ANSI). At the present time, only the National Fire Protection Association (NFPA) process meets the definition of the ANSI standard for a voluntary consensus process. The ICC process allows consensus of all participating interests for code development similar to NFPA. But, only jurisdictional members, those who seek the best interest of their communities, are allowed to make the final decision.

If the proponents of this legislation want to promote adoption of the best and safest codes available they should want to look at all of the model codes available, and then advocate selection of the best one to meet the local needs. Both the NFPA and the ICC code development processes continue to be participated in by many jurisdictions in Arizona and our AFMA members.

HB 2628 establishes an Arizona Code Commission that would be responsible for adopting codes and standards for the five code disciplines – plumbing, electrical, building, mechanical, and fire. This Code Commission would give the authority to a very limited number of people to determine what code is adopted for each discipline. The history of state codes has shown that it is a difficult and time-consuming process to update the codes and to appeal or obtain a variance.

The most important aspect of this proposed House Bill is not which fire code is allowed or not allowed to be adopted, but rather the loss of local control. The authority to adopt the codes best suited to protect the local community, based on specific needs and abilities, should remain the purview of the local jurisdiction.

ATTACHMENT FIVE
MAG BUILDING CODES COMMITTEE - CONTACT LIST (March 2002)

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